

Sumair Baloch CW Manager

Test Performed By: Dr. /Engr. Wasim Abbas

AES(Pvt) Ltd.(Project Tawal Site ID (54183)-(53990)-(NRO25_South_106,North_723)_-(40-KKZ621)

Sumair Baloch CW Manager

Test Performed By: Dr. /Engr. Wasim Abbas

AES(Pvt) Ltd.(Project Tawal Site ID (54183)-(53990)-(NRO25_South_106,North_723)_-(40-KKZ621)

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AES(Pvt) Ltd.(Project Tawal Site ID (54183)-(53990)-(NRO25_South_106,North_723)_-(40-KKZ621)

Client Reference:	<u>Ammar Engineering Sol (Pvt) Ltd/Steel/Tawal/02</u>	SOM Lab Ref:	1063 (P-1/1)
Dated:	26-03-2025	Dated:	15-04-2025

Client Reference:	<u>Ammar Engineering Sol (Pvt) Ltd/Steel/Tawal/02</u>	SOM Lab Ref:	1063 (P-1/1)
Dated:	26-03-2025	Dated:	15-04-2025

Client Reference:	<u>Ammar Engineering Sol (Pvt) Ltd/Steel/Tawal/02</u>	SOM Lab Ref:	1063 (P-1/1)
Dated:	26-03-2025	Dated:	15-04-2025

Client Reference:	<u>Ammar Engineering Sol (Pvt) Ltd/Steel/Tawal/02</u>	SOM Lab Ref:	1063 (P-1/1)
Dated:	26-03-2025	Dated:	15-04-2025

Test:	Tension Test	Test Specification:	ASTM-A-615
Guage Length:	200 mm	Sample Type:	Deformed Bar

Test:	Tension Test	Test Specification:	ASTM-A-615
Guage Length:	200 mm	Sample Type:	Deformed Bar

Test:	Tension Test	Test Specification:	ASTM-A-615
Guage Length:	200 mm	Sample Type:	Deformed Bar

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Test:	Tension Test	Test Specification:	ASTM-A-615
Guage Length:	200 mm	Sample Type:	Deformed Bar

Test:	Tension Test	Test Specification:	ASTM-A-615
Guage Length:	200 mm	Sample Type:	Deformed Bar

[illegible]

BEND TEST:

--	No Bend test performed	Note:- Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Engr. Muhammad Rizwan Nazir
MSc.(Structural) Engg
Rizwan Nazir Consulting Engineers Lahore.
(Project: Nazir Feed Mill, Deska,Sialkot)

Test Performed by: S. Asad Ali Gillani

Client Reference No.: Nil

Dated: Nil

SOM Lab Ref: CED/SOM/1068(Page 1/1)

Dated: 15-04-

2025

Test Type: Tensile Test

Sample Type: Anchor Bolt 25mm Diameter

Test Specification: ASTM – F-1554

Gauge Length: 200mm

Tensile Test Results

Sample No.	Diameter (mm)	Area (mm ²)	Yield Load (kN)	Ultimate Load (kN)	Yield Stress (MPa)	Ultimate Tensile Stress (MPa)	% Elongation
1	25	490.625	222.7	376.7	453.9	767.8	18.75

Note: Please always confirm the results on web www.uet-civil.edu.pk

Test Performed by: Dr. Asad Ali Gillani

Sub Divisional Officer
Public Health Engg: Sub Division
Murree.
(Rehabilitation of Donga Gali Water Supply Scheme Murree)

Client Ref.No.: 129/M
SOM Lab Ref: CED/SOM/1073 (Page 1/1)
Test Type: Tensile Test
Sample Type: G.I Pipe Size 6” i/d

Dated: 17-03-2025
Dated: 15-04-2025

Gauge Length: 2 inches

Tensile Test Results

Sr. No.	Sample Type	Size of strip (mm)	X Section Area (mm ²)	Yield Load (kN)	Ultimate Load (kN)	Yield Stress (MPa)	Ultimate Tensile Stress (MPa)	Elongation (inch)	% Elongation
1	G.I Pipe Size 6” i/d	31.0 x 5.2	161.20	55.00	75.70	341.19	469.60	0.70	35.00
2	G.I Pipe Size 6” i/d	31.0 x 5.2	161.20	59.00	77.20	366.00	478.91	0.70	35.00

Note: Please always confirm the results on web www.uet-civil.edu.pk

Dr. /Engr. Wasim Abbas

1058 (Page-1/1)

15-04-2025

Gauge Length: 8 inch

[illegible]

Only Six Samples Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Building Sub Div No.2 Gujranwala.(Const Of Enviroment Complex In Gujranwala)

Dr. /Engr. Wasim Abbas

SOM Lab

Ref: 1059 (Page-1/3)

15-04-2025

Test Specification:

Deformed Bar (FF Steel)

Sample Type:

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.656	4	0.496	0.20	0.193	6.49	8.41	71610	74200	92740	96100	1.00	8.0	12.5	
2	0.654	4	0.494	0.20	0.192	6.52	8.38	71940	74940	92400	96250	1.10	8.0	13.8	
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<u>BEND TEST:</u>															
--	No Bend test performed										Note:- Only Two Samples Received and Tested				
Note: Please always confirm the results of above report on web www.uet-civil.edu.pk															

Building Sub Div No.2 Gujranwala.(Const Of Enviroment Complex In Gujranwala)

Dr. /Engr. Wasim Abbas

SOM Lab

Ref: 1059 (Page-2/3)

15-04-2025

Test Specification:

Deformed Bar (FF Steel)

Sample Type:

[illegible][illegible]

BEND TEST:

--	No Bend test performed	Note:- Only Two Samples Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Building Sub Div No.2 Gujranwala.(Const Of Enviroment Complex In Gujranwala)

Dr. /Engr. Wasim Abbas

SOM Lab

Ref: 1059 (Page-3/3)

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Sample Type: Deformed Bar (FF Steel)

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.636	8	0.993	0.79	0.775	25.64	32.79	71570	72960	91550	93320	1.30	8.0	16.3	
2	2.646	8	0.995	0.79	0.778	25.84	32.90	72140	73260	91840	93250	1.40	8.0	17.5	
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<u>BEND TEST:</u>															
--	No Bend test performed										Note:- Only Two Samples Received and Tested				
Note: Please always confirm the results of above report on web www.uet-civil.edu.pk															

Relinace Cottton Spinning Mills Ltd.(Inverter Room 1.78 MW Solar Area)

Dr. /Engr. Asad Ali Gillani

Dated: Nil

SOM Lab
Ref: 1060 (Page-1/1)
Dated: 15-04-2025

Test Specification: ASTM-A-706

Sample Type: Def. Bar

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.472	6	0.743	0.44	0.433	15.29	19.34	76640	77880	96930	98500	1.10	8.0	13.8	
2	1.473	6	0.743	0.44	0.433	14.95	19.27	74960	76170	96570	98130	1.30	8.0	16.3	
3	0.650	4	0.493	0.20	0.191	6.09	8.10	67110	70270	89370	93580	0.90	8.0	11.3	
4	0.661	4	0.497	0.20	0.194	6.27	8.94	69130	71270	98580	101630	1.00	8.0	12.5	
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<u>BEND TEST:</u>															
# 6	Sample bend through 180 degrees Satisfactorily without any crack										Note:- Only Six Samples Received and Tested				
# 4	Sample bend through 180 degrees Satisfactorily without any crack														
Note: Please always confirm the results of above report on web www.uet-civil.edu.pk															

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

GE(Army)-II Okara.(Const of 8xSldrs Flats Block No.2,Const Of 6xD Type Flats,HQ2 ALRG at Okara)

Dr. /Engr. Wasim Abbas

SOM Lab

Ref: 1062 (Page-1/1)

15-04-2025

Test Specification:

Deformed Bar

Sample Type:

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in²	in²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.656	8	0.997	0.79	0.781	22.55	34.17	62950	63680	95390	96490	1.70	8.0	21.3	
2	2.651	8	0.996	0.79	0.779	22.80	36.56	63660	64560	102080	103520	1.50	8.0	18.8	
3	1.496	6	0.748	0.44	0.440	13.10	20.85	65660	65660	104490	104490	1.40	8.0	17.5	
4	1.511	6	0.752	0.44	0.444	13.22	21.02	66270	65680	105360	104410	1.30	8.0	16.3	
5	1.047	5	0.626	0.31	0.308	9.25	14.70	65780	66210	104580	105260	1.20	8.0	15.0	
6	1.058	5	0.629	0.31	0.311	9.35	15.04	66500	66290	106970	106630	1.20	8.0	15.0	
7	0.665	4	0.498	0.20	0.195	5.98	9.19	65990	67680	101390	103990	1.40	8.0	17.5	
8	0.657	4	0.496	0.20	0.193	5.73	8.87	63180	65470	97800	101340	1.10	8.0	13.8	
9	0.663	4	0.498	0.20	0.195	5.42	7.87	59800	61340	86780	89010	1.20	8.0	15.0	
10	0.670	4	0.501	0.20	0.197	5.56	8.00	61270	62200	88240	89590	1.00	8.0	12.5	

BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Fifteen Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 5	Sample bend through 180 degrees Satisfactorily without any crack	
# 4	Sample bend through 180 degrees Satisfactorily without any crack	
# 4	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Dr. /Engr. Wasim Abbas

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15-04-2025

ASTM-A-615

Sample Type: Deformed Bar (Kamran Steel)

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.516	6	0.754	0.44	0.446	14.70	19.18	73680	72690	96160	94870	1.40	8.0	17.5	B-7351
2	0.656	4	0.496	0.20	0.193	6.68	8.82	73630	76300	97230	100760	1.10	8.0	13.8	JAN-93
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BEND TEST:															
# 6	Sample bend through 180 degrees Satisfactorily without any crack										Note:- Only Four Samples Received and Tested				
# 4	Sample bend through 180 degrees Satisfactorily without any crack														
Note: Please always confirm the results of above report on web www.uet-civil.edu.pk															

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: Nil

Dated: Nil

Test: Tension Test & Bend Test

Gauge Length: 8 inch

SOM Lab

Ref: 1065 (Page-1/1)

Dated: 15-04-2025

ASTM-A-615

Deformed Bar (FF Steel)

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.667	4	0.500	0.20	0.196	5.96	8.26	65760	67100	91050	92910	0.80	8.0	10.0	
2	0.665	4	0.498	0.20	0.195	6.03	8.36	66550	68250	92180	94540	1.00	8.0	12.5	
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<u>BEND TEST:</u>															
--	No Bend test performed										Note:- Only Two Samples Received and Tested				
Note: Please always confirm the results of above report on web www.uet-civil.edu.pk															

NESPAK,EPCM Consul Swl.(WWTP in North Zone Sahiwal)(PICIIP)

Dr. /Engr. Wasim Abbas

Dated: 11-03-2025

Ref: 1066 (Page-1/1)

Dated: 15-04-2025

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Sheikhoo Steel)

[illegible]

BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
# 4	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Material Engineer
NESPAK,EPCM Consul Swl.(WWTP in North Zone Sahiwal)

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: 3976/11/MSS/SWL/WWTP/01/1208 **SOM Lab**
Dated: 08-04-2025 **Ref:** 1067 (Page-1/1)
Dated: 15-04-2025

Test:	Tension Test & Bend Test	Test Specification:	ASTM-A-615
Gauge Length:	8 inch	Sample Type:	Deformed Bar (Siraj Steel)

[illegible]

BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Seven Samples Received and Tested
# 4	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Metroplan-Asian JV Site Office.(Estb Of NSICTR Lahore Phase-1,Pkg-B)

Dr. /Engr. Wasim Abbas

Dated: 14-04-2025

Ref: 1069 (Page-1/1)

Dated: 15-04-2025

Test Specification:

ASTM-A-615

Sample Type: Deformed Bar (Kamran Steel)

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# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:-
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Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Metroplan-Asian JV Site Office.(Estb Of NSICTR Lahore Phase-1,Pkg-A&D)

Dr. /Engr. Wasim Abbas

Dated: 14-04-2025

Ref: 1070 (Page-1/1)

Dated: 15-04-2025

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (kamran Steel)

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.478	6	0.743	0.44	0.434	13.71	18.98	68730	69680	95140	96460	1.10	8.0	13.8	
2	1.488	6	0.746	0.44	0.437	13.73	19.01	68830	69300	95290	95950	1.00	8.0	12.5	
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<u>BEND TEST:</u>															
# 6	Sample bend through 180 degrees Satisfactorily without any crack										Note:- Only Three Samples Received and Tested				
Note: Please always confirm the results of above report on web www.uet-civil.edu.pk															

Procurement Manager .(Lyallpur Galleria-II Near Four Season Colony Samundri Road,FSD)

Dr. /Engr. Wasim Abbas

Dated: 11-04-2025

Ref: 1072 (Page-1/1)

Dated: 15-04-2025

Test Specification:

ASTM-A-615

Sample Type: Deformed Bar (Hunza Steel)

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.621	8	0.990	0.79	0.770	25.28	33.61	70580	72410	93830	96260	1.40	8.0	17.5	
2	1.480	6	0.744	0.44	0.435	13.53	17.89	67810	68580	89670	90700	1.20	8.0	15.0	
3	0.654	4	0.494	0.20	0.192	5.56	7.56	61270	63820	83410	86880	1.20	8.0	15.0	
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<u>BEND TEST:</u>															
# 8	Sample bend through 180 degrees Satisfactorily without any crack										Note:- Only Six Samples Received and Tested				
# 6	Sample bend through 180 degrees Satisfactorily without any crack														
# 4	Sample bend through 180 degrees Satisfactorily without any crack														
Note: Please always confirm the results of above report on web www.uet-civil.edu.pk															